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Date: December 19, 2007

Total Pages: 13
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To: U.S. Patent and Trademark Office Fax: 571.273.8300

Phone:

From: Robert E. Krebs
 Reg. No. 25,885

Fax: 408.287.8040

Phone: 408.292.5800

E-Mail: rkrebs@thelen.com

Certificate of Transmission Under 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to the U.S. Patent and Trademark Office on the date printed below:

Date: 12/19/2007

Signature:

Julie Arango
 Julie Arango

Re: U.S. Patent Application

Serial No.: 10/536,505 Filed: 05/24/2005

Title: Enhanced Processing Circuit for Spectrometry System and Spectrometry System Using Same

Our Reference No.: 034299-635

Dear Sir:

Respectfully submitted are the following:

1. Correction to Filing Receipt (2 pgs.)
2. Copy of Filing Receipt marked with corrections (3 pgs.)
3. Copy of Express Mail Receipt (1 pg.)
4. Copy of stamped returned postcard (1 pg.)
5. Copy of executed Declaration, Power of Attorney (3 pgs.)
6. Copy of executed Assignment (2 pgs.)

In case of a problem with this transmission, please call the Fax Operator at 408.282.1803

JOB #	ATTORNEY #	CLIENT-MATTER	RETURN TO	ROOM #
		034299-635		

IMPORTANT: This fax transmission is intended only for the addressee. It contains information from the law firm of Thelen Reid Brown Raysman & Steiner LLP which may be privileged, confidential and exempt from disclosure under applicable law. Dissemination, distribution, or copying of this by anyone other than the addressee or the addressee's agent is strictly prohibited. If this transmission is received in error, please notify Thelen Reid Brown Raysman & Steiner LLP immediately at the telephone number indicated above. We will reimburse your costs incurred in connection with this erroneous transmission and your return of these materials. THANK YOU.

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PATENT
Serial No.: 10/536,505
Atty. Docket No.: 034299-635

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Patrice Ouvrier-Buffer et al. CONFIRMATION NO.: 6542
SERIAL NO.: 10/536,505
FILING DATE: 05/24/2005
TITLE: ENHANCED PROCESSING CIRCUIT FOR SPECTROMETRY
SYSTEM AND SPECTROMETRY SYSTEM USING SAME
EXAMINER: Baker, David S.
ART UNIT: 2884

Certificate of Transmission Under 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to the U.S. Patent and Trademark Office on the date printed below:

Date: 12/19/2007

Signature: Julie Arango

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CORRECTION TO FILING RECEIPT

Sir:

We received the filing receipt for the above-identified patent application. Please amend the appropriate records to reflect the correct filing date, the correct city of residence for inventor Loick Verger and the correct spelling of the assignee.

Please correct the filing date

From:
05/25/2005

To:
05/24/2005

Please correct the city of residence for inventor Loick Verger

From:
Grenoble

To:
Grenoble

PATENT
Serial No.: 10/536,505
Atty. Docket No.: 034299-635

Please correct the spelling of the assignee:

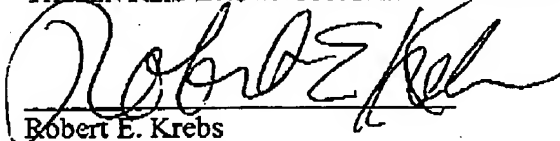
From:
Commissariat A L'Energie Atomique

To:
Commissariat A L'Energie Atomique

In support of this request, enclosed please find a copy of the Express Mail receipt listing the "date in" as 5/24/05 and which was also date stamped May 24, 2005. The stamped returned postcard (copy enclosed) incorrectly indicates the date received as 25 May 2005, however, the date mailed and Express Mail No. EV310861215US correspond to the Express Mail receipt dated May 24, 2005. Also, enclosed are copies of the Declaration, Power of Attorney confirming the correct spelling of the city of residence of inventor Loick Verger and the Assignment which confirms the correct spelling of the Assignee. Enclosed is a copy of the filing receipt marked with the appropriated corrections. Please provide applicant with an updated filing receipt reflecting the changes requested.

The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 50-1698.

Respectfully submitted,
THELEN REID BROWN RAYSMAN & STEINER LLP


Robert E. Krebs
Reg. No. 25,885

Dated: 12/19/2007

THELEN REID BROWN RAYSMAN & STEINER LLP
P.O. Box 640640
San Jose, CA 95164-0640
Tel: (408) 292-5800
Fax: (408) 287-8040



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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/536,505	05/25/2005 24	2881	900	034299-635	6	12	1

 Thelen Reid & Priest
 PO Box 640640
 San Jose, CA 95164-0640

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OCT 11 2005

CONFIRMATION NO. 6542

FILING RECEIPT



OC000000017130790

THELEN REID & PRIEST LLP

Date Mailed: 09/30/2005

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

 Patrice Ouvrier-Buffer, Saint-Jorioz, FRANCE;
 Jacques Rustique, Seyssinet, FRANCE;
 Loick Verger, Grenoble, FRANCE;
 n

Assignment For Published Patent Application

 Commissariat A L'Energie Atomique, Paris 15eme, FRANCE
 Energie

Power of Attorney:

Robert Krebs-25885

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/FR03/50125 11/20/2003

Reviewed By: _____ Date: _____

No Action Required: _____

Action Required: _____

Foreign Applications

FRANCE 02/14737 11/25/2002

Projected Publication Date: 01/05/2006

Non-Publication Request: No

Early Publication Request: No

Title

Enhanced processing circuit for spectrometry system and spectrometry system using same

Preliminary Class

250

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process simplifies the filing of patent applications on the same invention in member countries, but does not result in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

LICENSE FOR FOREIGN FILING UNDER**Title 35, United States Code, Section 184****Title 37, Code of Federal Regulations, 5.11 & 5.15****GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof

unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

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No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

DOCKETED
JUL 25 2005

Serial/Patent No.: unassigned

10/536505Filing/Issue Date: 5/24/05Applicant: Ouvrier-Buffet, Patrice, et al.Title: Enhanced Processing Circuit for Spectrometry System and Spectrometry System Using SameTRP Docket No.: 634299-635Atty/Sec'y Initials: REK/avDate Mailed: 5/24/05Docket Due Date: 5/25/05

The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:

- CO2 Rec'd PCT/PTC 25 MAY 2005**
- | | |
|--|--|
| <input type="checkbox"/> Amendment/Response (____ pgs.) | <input type="checkbox"/> IDS & PTO 1449 (____ pgs.) |
| <input type="checkbox"/> Appeal Brief (____ pgs.) (in triplicate) | <input type="checkbox"/> ____ Pieces of Prior Art Enclosed |
| <input checked="" type="checkbox"/> Application - Utility (23 pgs. with cover & abstract) | <input type="checkbox"/> Issue Fee Transmittal |
| <input type="checkbox"/> Application - Rule 1.53(b) Continuation (____ pgs.) | <input checked="" type="checkbox"/> Submission of Formal Drawings: |
| <input type="checkbox"/> Application - Rule 1.53(b) Division (____ pgs.) | <u>6</u> # of sheets includes <u>2</u> figures |
| <input type="checkbox"/> Application - Rule 1.53(b) CIP (____ pgs.) | <input type="checkbox"/> Notice of Appeal |
| <input type="checkbox"/> Application - Rule 1.53(d) CPA (____ pgs.) | <input checked="" type="checkbox"/> Postcard |
| <input type="checkbox"/> Application - PCT (____ pgs.) | <input checked="" type="checkbox"/> Preliminary Amendment (6 pgs.) |
| <input type="checkbox"/> Application - Provisional (____ pgs.) | <input type="checkbox"/> Reply Brief (____ pgs.) |
| <input checked="" type="checkbox"/> Assignment and Cover Sheet | <input type="checkbox"/> Req and Cert. Not to Publish - Rule 1.213 |
| <input type="checkbox"/> Certificate of Correction | <input type="checkbox"/> Request for Continued Examination (RCE) (____ pgs.) |
| <input type="checkbox"/> Certificate of Mailing | <input type="checkbox"/> Request for Extension of Time ____ Month(s) |
| <input checked="" type="checkbox"/> Declaration & POA (3 pgs.) | <input type="checkbox"/> Response to Notice to File Missing Parts |
| <input type="checkbox"/> Fee Transmittal | <input type="checkbox"/> Copy of PTO Notice to File Missing Parts |
| <input type="checkbox"/> Drawings (informal): | <input checked="" type="checkbox"/> Transmittal Letter (original & copy) |
| ____ # of sheets includes ____ figures | <input checked="" type="checkbox"/> Express Mail No.: <u>EV310 861 215US</u> |
| <input checked="" type="checkbox"/> Other: | <input checked="" type="checkbox"/> Check(s) <u>\$1000.00 & \$40.00</u> |
| Requete PCT; PCT/IB/304; PCT/IB/308, | <input type="checkbox"/> Deposit Acct. No. 50-1698 \$ ____ |
| WO2004/051314A1; PCT/ISA/220, PCT/ISA/210; | Patent Code: ____ |
| CT/IPEA/401; PCT/IpEA/416; PCT/IPEA/409; English | |
| translation of amended sheets of IPER; patent practitioners | |

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Declaration, Power Of Attorney and Petition

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Page 1 of 3

WE (I) the undersigned inventor(s), hereby declare(s) that :

My residence, post office address and citizenship are as stated below next to my name,

We (I) believe that we are (I am) the original, first, and joint (sole) inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled

ENHANCED PROCESSING CIRCUIT FOR A SPECTROMETRY CHAIN AND SPECTROMETRY CHAIN USING SUCH A CIRCUIT

the specification of which

- ☐ is attached hereto.
- ☐ was filed on _____
as Application Serial No. _____
and amended on _____
- ☒ was filed as PCT international application
Number PCT/FR03/50125
on November 20, 2003
and was amended under PCT Article 19
on November 08, 2004

We (I) hereby state that we (I) have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

We (I) acknowledge the duty to disclose information known to be material to the patentability of this application as defined in Section 1.56 of Title 37 Code of Federal Regulations.

We (I) hereby claim foreign priority benefits under 35 U.S.C. § 119 (a)-(d) or § 365 (b) of any foreign application(s) for patent or inventor's certificate, or § 365 (a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed. Prior Foreign Application (s)

Application No.	Country	Day/month/Year	Priority Claimed	
02 14737	FRANCE	25 November 2002	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
_____	_____	_____	<input type="checkbox"/> YES	<input type="checkbox"/> NO
_____	_____	_____	<input type="checkbox"/> YES	<input type="checkbox"/> NO
_____	_____	_____	<input type="checkbox"/> YES	<input type="checkbox"/> NO

We (I) hereby claim the benefit under Title 35, United States Code, § 119 (e) of any United States provisional application(s) listed below.

(Application Number)

(Filing Date)

(Application Number)

(Filing Date)

We (I) hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of prior application and the national or PCT International filing date of this application.

Application Serial No.

Filing Date

Status (pending, patented,
abandoned)

And we (I) hereby appoint : Robert E. Krebs, Registration No. 25,885; David B. Ritchie, Registration No. 31,562; Marc S. Hanish, Registration No. 42,626; John P. Schaub, Registration No. 42,125; Gerhard W. Thielman, Registration No. 43,186; Adrienne Yeung, Registration No. 44,000; Steven J. Robbins, Registration No. 40,299; Thierry K. Lo, Registration No. 49,097; William Samuel Niece, Registration No.: P47,824; and John Klaas Uilkema, Registration No. 20,282 ; our (my) attorneys of record with full power of substitution and revocation, to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith; and we (I) hereby request that all correspondence regarding this application be sent to the firm of THELEN REID & PRIEST LLP whose Post Office Address is : P.O. Box 640640, San Jose, CA 95164-0640.

We (I) declare that all statements made herein of our (my) own knowledge are true and that all statements made on information and belief are believed to be true ; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such wilful false statements may jeopardise the validity of the application or any patent issuing thereon.

OUVRIER-BUFFET Patrice

NAME OF FIRST SOLE INVENTOR

Signature of Inventor

April 1st, 2005

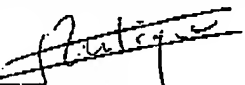
Date

Residence : 400 route du village
Entredaizon
71140 SAINT MAIOL FRANCECitizen of : FRANCE

Post Office Address : The same as residence

RUSTIQUE Jacques


NAME OF SECOND INVENTOR


Signature of Inventor

April 1st, 2005
Date

VERGER Loïck

NAME OF THIRD INVENTOR


Signature of Inventor

April 1st, 2005
Date

NAME OF FOURTH INVENTOR

Signature of Inventor

Date

NAME OF FIFTH INVENTOR

Signature of Inventor

Date

Residence : 34 rue de Pacalaire

38170 SEYSSINET
FRANCE

Citizen of : FRANCE

Post Office Address : The same as residence

Residence : 49 rue du Lucas

38000 GRENOBLE
FRANCE

Citizen of : FRANCE

Post Office Address : The same as residence

Residence : _____

Citizen of : _____

Post Office Address : The same as residence

Residence : _____

Citizen of : _____

Post Office Address : The same as residence

B 14222.3 CS

Assignment Of Application

Page 1 of 2

WHEREAS, I (WE)

OUVRIER-BUFFET Patrick – 100 route du village – Entredozone – 74410 SAINT JORJOZ - FRANCE

RUSTIQUE Jacques – 34, rue de Pacalaire – 38170 SEYSSINET – FRANCE

VERGER Loïck – 49, rue du Vercors – 38000 GRENOBLE - FRANCE

respectively, have invented certain new and useful improvements in :

ENHANCED PROCESSING CIRCUIT FOR A SPECTROMETRY CHAIN AND SPECTROMETRY CHAIN USING SUCH A CIRCUIT

for which an application for Letters Patent was executed on April 1st, 2005
(Application No. , filed), and

WHEREAS, COMMISSARIAT A L'ENERGIE ATOMIQUE

(hereinafter referred to as "assignee") having a place of business at :

31/33 rue de la Fédération
75752 PARIS 15^{ème}, FRANCE

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries ;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters patent which may be granted thereof in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right , title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Page 2 of 2

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issue to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of THELEN REID & PRIEST LLP, P.O. Box 640640, San Jose, CA 95164-0640 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States patent and trademark office for recordation of this document.

Date: April 1st, 2005

OUVRIER-BUFFET Patrice

(Signature of Inventor)

Date: April 1st, 2005

RUSTIQUE Jacques

(Signature of Inventor)

Date: April 1st, 2005

VERGER Loïck

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

THELEN REID & PRIEST LLP

P. O. Box 640640

San Jose, CA 95164-0640

Telephone: (408) 292-5800

Facsimile: (408) 287-8040